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(21)Application number : 2000-015369 (71)Applicant : HITACHI METALS LTD

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(54) R-T-B PERMANENT MAGNET

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an R-T-B permanent magnet, that is superior in corrosion resistance and where the heat resistance of magnetic characteristics is improved by reducing the quantity of hydrogen contained within plating in the plated R-T-B permanent magnet is set to 100 ppm or lower.

SOLUTION: The R-T-B permanent magnet whose surface is coated with the plating, where an R2T14B base intermetallic compound (R is one kind, or two kinds or more of rare earth elements which include Y, and T is Fe or Fe and Co) is a main phase, characterized in that the content of hydrogen of the plating is set equal to 100 ppm or lower.

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